

Moriond 2014 - Electroweak Session - March 16-22 2014

Preliminary program

(last update march 6, 9:40)

SUNDAY March 16th

Morning session : Heavy flavours

Martin Ritter	Recent constraints on CKM and New Physics by BELLE
Mitesh Patel	Latest results on rare decays from LHCb
Francesco SanFilippo	Recent Lattice results relevant for heavy flavour phenomenology
Laurence Carson	Constraining the CKM angle γ at LHCb
Angelo di Canto	Charm mixing and CP violation at LHCb
Sebastien Descotes-Genon	Global fits to radiative $b \rightarrow s$ transitions
Wolfgang Altmannshofer	New Physics in radiative $b \rightarrow s$ transitions

Afternoon session: Heavy flavours (cntd)

Filippo Sala	The neutron EDM vs up and charm flavour violation
Hai-Bo Li	Highlights of charm physics at BESIII
Eli Ben-haim	Latest results on radiative penguin decays at Babar
Simone Donati	Tevatron heavy flavor results on lifetimes, decays and mixing
Martin Gorbahn	$B_q \rightarrow \ell\ell$ and electroweak interactions
Christoph Bobeth	Updated SM predictions for $B_q \rightarrow \ell\ell$ at NLO EW and NNLO QCD
Bruce Hoeneisen	D_0 anomalous dimuon charge asymmetry
Stefano Argiro	Heavy flavour EW measurements at ATLAS/CMS
Francesca Dordei	CP violation in the B(S) system at LHCb

MONDAY March 17th

Morning session : Neutrino experiments

Guido Altarelli	An introduction to :Neutrinos today
Cecile Jollet	Latest results from OPERA
Patrick de Perio	Oscillation results from T2K
Pilar Coloma	Sensitivity of oscillation experiments to the neutrino hierarchy
Pau Novella	DoubleChooz: recent results towards the near detector phase
Rodrigo Alonso	Neutrino mixing from a minimum principle
Davide d'Angelo	Recent Borexino results and prospects for near future
Zhe Wang	Recent results from Daya Bay

Afternoon session: Neutrino experiments (cntd)

Bjoern Lehnert	The Gerda experiment and the search for neutrinoless double beta decay
Philip Rodrigues	Recent results from Minerva
Michele Maltoni	Status of sterile neutrinos and neutrino anomalies
Hisataka Yoshida	Results and status from Kamland-Zen
	Recent results from CUORE
Stefano Torre	Latest double-beta decay measurements using the final Nemo-3 dataset

YSF1 (48mn)

TUESDAY March 18th

Morning session: Astrophysical neutrinos -Dark Matter

Matteo Duranti	Recent results from AMS
Claudio Kopper	Recent results from Icecube
Guenter Sigl	PEV neutrinos from Ultra high energy cosmic rays
Irene Tamborra	Neutrinos probe supernovae dynamics
Claudio Silva	Recent results from LUX
Lorenzo Calibbi	Light neutralino dark matter >24GeV from LHC data
Adam Anderson	Constraints on Light WIMPs with superCDMS
Marco Drewes	Dark Matter, Baryogenesis and Neutrino oscillations from Right Handed neutrinos

Afternoon session: Astrophysical neutrinos - Dark Matter (cntd)

Andreas Ringwald	Axions and Axion-like particles
Theodoros Vafeiadis	Latest results from CAST and future prospects
Tony Noble	Recent results from PICO
Pedro Schwaller	Scattering rates and spectator effects in leptogenesis
Marek Kos	Analysis of 3.4 years of COGENT data

YSF2 (48mn)

WEDNESDAY March 19th

Morning session : Standard Model Physics

Junji Hisano	Review of edm's
Breese Quinn	Tevatron measurement on Z boson asymmetry
Lindsey Gray	Boson+jets and diboson production in LHC
Luca Brigliadori	Tevatron top quark mass measurement
Anmon Harel	Tevatron t-tbar asymmetry
Luca Lista	Top production at LHC (including single and associated production)
Andrew Pilkington	Measurement of the Z boson production via vector-boson fusion in ATLAS
Reinhard Schweinshorst	Tevatron single top production

Afternoon session: SM Physics (cnt) and Cosmology

Nuno Castro	Measurement of the top mass and properties at the LHC
Marc Sutton	Constraints on pdf's and α_s measurement at LHC
<i>Cosmology</i>	
Olivier Perdereau	Recent results from PLANCK
Jan Hamann	Inflation after Planck
Yvonne Wong	Neutrinos properties from Cosmology
Jan Heisig	Gravitino LSP and leptogenesis after the LHC results
Daniel Litim	Quantum gravity meets ATLAS-CMS

YSF3(32mn)

Thursday March 20th

Morning session : Physics of the Scalar Boson

Federico Sforza	Tevatron measurements on SM Higgs
Alex Pomarol	Where could beyond SM physics hide in the Scalar sector?
CMS speaker	Analysis of the ttH channels
Eve Le Menedeu (ATLAS hot topic TBC)	Eureka in ATLAS
Roberto Covarelli (CMS hot topic TBC)	Eureka in CMS
Eilam Gross	Measurement of SM Higgs couplings to fermions and bosons
Pasquale Musella	Measurement of the Higgs properties (spin, mass, width, ..)

Afternoon session : Physics of the Scalar Boson (cnt)

Marti Raidal	Universal scalar fit
Kristjan Kannike	One extra complex singlet = stability+DM+Inflaton
Paul Thomson	BSM Higgs boson searches
Martin Schmaltz	Scale invariance and the Higgs mass

Moriond Discussion (60mn)

Conference Dinner

FRIDAY March 21st

Morning session : Beyond the Standard Model

Pedrame Bargassa	Strong SUSY production searches in LHC
Dario Buttazzo	NMSSM and natural scalars
Mike Flowerdew	EW SUSY production searches in LHC
Christoffer Petersson	Multilepton and Multiphoton signatures of SUSY at the LHC
Alexander Kartavtsev	Improving electroweak fits with TeV-scale sterile neutrinos
Philippe Calfayan	Dark Matter searches in LHC
Cedric Weiland	Lepton flavour violating Higgs decays
Marcin Badziak	Enhanced diphoton signal of a light singlet-like scalar in NMSSM

Afternoon session: Beyond the Standard Model (cnt)

Carla Biggio	Is the Standard Model scalar the first discovered SUSY particle
Patrizia Azzi	Boosted object searches in LHC
Martin Jung	Electric Dipole moments and 2 Doublet models
Thiago Tomei Fernandez	Exotic searches in LHC
Andrey Tayduganov	New physics and surprises in $B \rightarrow D(D^*) \tau \nu$

YSF3 (72mn)

SATURDAY March 22nd: Summaries

Jean Iliopoulos
Kevin Einsweiler

Theory summary
Experimental summary

YSF1

Julie Hogan

Camilla Galloni

Thomas Nikodem

Rafael Silva Coutinho

Elisa Guido

Tomoyuki Saito

FB asymmetry of b quarks in $B \rightarrow J\psi K$ decays at D0 at Tevatron

Measurement of $R = B(t \rightarrow Wb) / B(t \rightarrow Wq)$ in the $t\bar{t}$ leptonic channel in CDF

B-hadron lifetimes at LHCb

Charmless B decays in LHCb

Low mass NP search of CP-odd Higgs $A_0 \rightarrow cc, ss, gg$ in BaBar

Measurement of $B \rightarrow X_s \gamma$ at Belle

YSF2

Isaac Saba

Francesco Capozzi

Nancy Wandkowsky

Pierre Gorel

Saereh Najjari

Shynia Fukasawa

Neutrinos from Active Galactic Nuclei to IceCube

Sensitivity to mass hierarchy in reactor neutrino oscillations

First measurement with the KATRIN spectrometer and detector section

The DEAP experiment

Lepton Flavor Violation with dimension 6 operators

Search for Non-standard interactions by atmospheric neutrinos

YSF3

Florian Lyonnet
Mathieu Buchkremer
Mandy Rominsky
Tiziana Scarna

UHE neutrinos and Z' / W'
Model independent analysis of heavy vector-like top partners
The new μ on $g-2$ experiment at Fermilab
Gamma lines and cosmic continuum from DM decay

YSF4

Federico Meloni
Jeremy Quevillon
Niels Ruthmann
Philip Sommer
David Marzocca
Caterina Vernieri
Arun Kumar
Riccardo Manzoni
Otto Eberhardt

Search for direct stop pair production in OS dileptons ATLAS
High SUSY scalar and a few-parameter description of the scalar sector
Evidence for Higgs decays to tau-tau in ATLAS
Reconstruction and identification of electrons in ATLAS
Window on new physics via the scaling of SM effective operators+C30
Measurement of VZ production XS in Vbb decay channels in CMS
Search for a heavy Higgs boson in the $H \rightarrow ZZ \rightarrow 2l2\nu$ channel in CMS
Evidence of the SM Higgs in the decay channel into tau leptons
Fitting the 2HDM of type II